Foundation HS Program & Math

Math & the Foundation HS Program

Required Math (with prerequisites):

- Algebra I (8th grade Math)
- Geometry (A1)
- One additional math credit (3 total) for the Foundation HS Program
- Two additional math credits (4 total) in order to receive an endorsement

About Algebra II:

- Algebra II must be successfully completed in order to…
  - be distinguished.
  - be considered for the top 10% Automatic Admission.
  - receive the STEM endorsement.

Sequencing

- **Courses can be taken in any order as long as prerequisite requirements found in the TEKS are followed.**
- **Students can take courses concurrently as long as one is not a prerequisite of the other.**
- **Algebra I must be successfully completed prior to taking most math courses**
  - **Exceptions:**
    - **Mathematical Applications in Agriculture, Food, and Natural Resources**
    - **Robotics Programming and Design**
    - **Digital Electronics**

3rd Advanced Math Credit (prerequisites in parenthesis)

- **Math Models with Applications (A1)**
- **Mathematical Applications in Agriculture, Food, and Natural Resources (R: 1 Course from AFNR Cluster)**
- **Digital Electronics (R: 11th -12th graders)**
- **Robotics Programming and Design**
- **Financial Mathematics (A1)**

Or any course from the list to the right

Key

- **R: means recommended**
- **A1 – Algebra I**
- **A2 – Algebra II**
- **G - Geometry**

4th Advanced Math Credit (prerequisites in parenthesis)

- **Algebra II (A1)**
- **Precalculus (G & A2)**
- **Advanced Quantitative Reasoning (G & A2)**
- **Independent Study in Math (G & A2)**
- **Discrete Math for Problem Solving (A2)**
- **Algebraic Reasoning (A1)**
- **Statistics (A1)**
- **AP or IB mathematics course (Ch 111 D)**
- **AP Computer Science (R: A2 & Comp Sci 1)**
- **Engineering Mathematics (A2)**
- **Statistics and Risk Management (A2 & Accounting I)**
- **Discrete Math for Computer Science (A2)**
- **Locally developed courses**
  - **Dual Credit Courses (A2)**
  - **Industry or Business Apprenticeship or Certification (A1 & G)**